

<b>METROPOLITAN UTILITIES DISTRICT</b>	<b>Construction Standard</b>	No: <b>2.0.1</b>
	<b>Direction of Water Valve Operation</b>	Page: 1 of 3
<a href="#">Supersedes:</a> 3-14-05		
Effective: 3-26-10		
Prepared by: Bill Travnicsek		
Approved by: Jeff Loll		

## DIRECTION OF VALVE OPERATION

### A. Water Distribution System

The line described in the following paragraph is the boundary between valves that open to the RIGHT (clockwise - CW) and valves that open to the LEFT (counterclockwise - CCW).

Within this boundary (Omaha side), all underground water distribution system valves with two inch square operating nuts will open to the RIGHT (CW). Outside this boundary (non-Omaha side), all underground water distribution system valves with two inch square operating nuts will open to the LEFT (CCW). The boundary is as follows:

132nd Street from the north line of Douglas County to State Street; State Street from 132nd west to 180th; 180th from State to Dodge; Dodge from 180th to 204th; 204th from Dodge to Giles; Giles from 204th to 144th; 144th from Giles to I-80; I-80 from 144th to 132nd and Giles; Giles from I-80 to Cornhusker (approximately 106th); Cornhusker from Giles to 96th; 96th from Cornhusker to "Q"; "Q" from 96th to 90th; 90th from "Q" to "L"; "L" from 90th to 72nd; 72nd from "L" to Harrison; Harrison from 72nd to 69th; 69th from Harrison to Giles; Giles from 69th to the Big Papillion Creek; the Big Papillion Creek to 48th Street; 48th Street from the Big Papillion Creek to the South Papillion Creek; the South Papillion Creek from 48th to 54th; 54th from the South Papillion Creek to Highway 370; Highway 370 from 54th to 60th; 60th from Highway 370 to the south line of Sarpy County.

Valves in mains on the boundary will open to the RIGHT (CW).

In addition, the following two areas within the RIGHT (CW) open area will have valves that open to the LEFT (CCW):

Millard "L" to "Q"; 120th to 150th  
"Q" to Harrison; 120th to 138th

Bellevue Harvell Rd. to 35th Ave.; Ft. Crook Rd. to the Missouri River  
Hancock to the Missouri River; 1st Ave. to 13th Ave.  
35<sup>th</sup> Ave. to LaPlatte Rd. and 5<sup>th</sup> St. to the Missouri River

\*

In areas that have valves that open to the LEFT (CCW), underground valve opening will be as follows:

- i. All 4", 6", 8" and 12" lines will have underground valves opening to the LEFT (CCW) unless they come immediately off a 16" or larger main.
- ii. All 16" mains and larger will have line valves opening to the RIGHT (CW). All valves immediately off of these mains will have valves opening to the RIGHT (CW).
- iii. All water plant facilities, including well houses, in LEFT (CCW) area shall have underground valves in accordance with i. and ii.

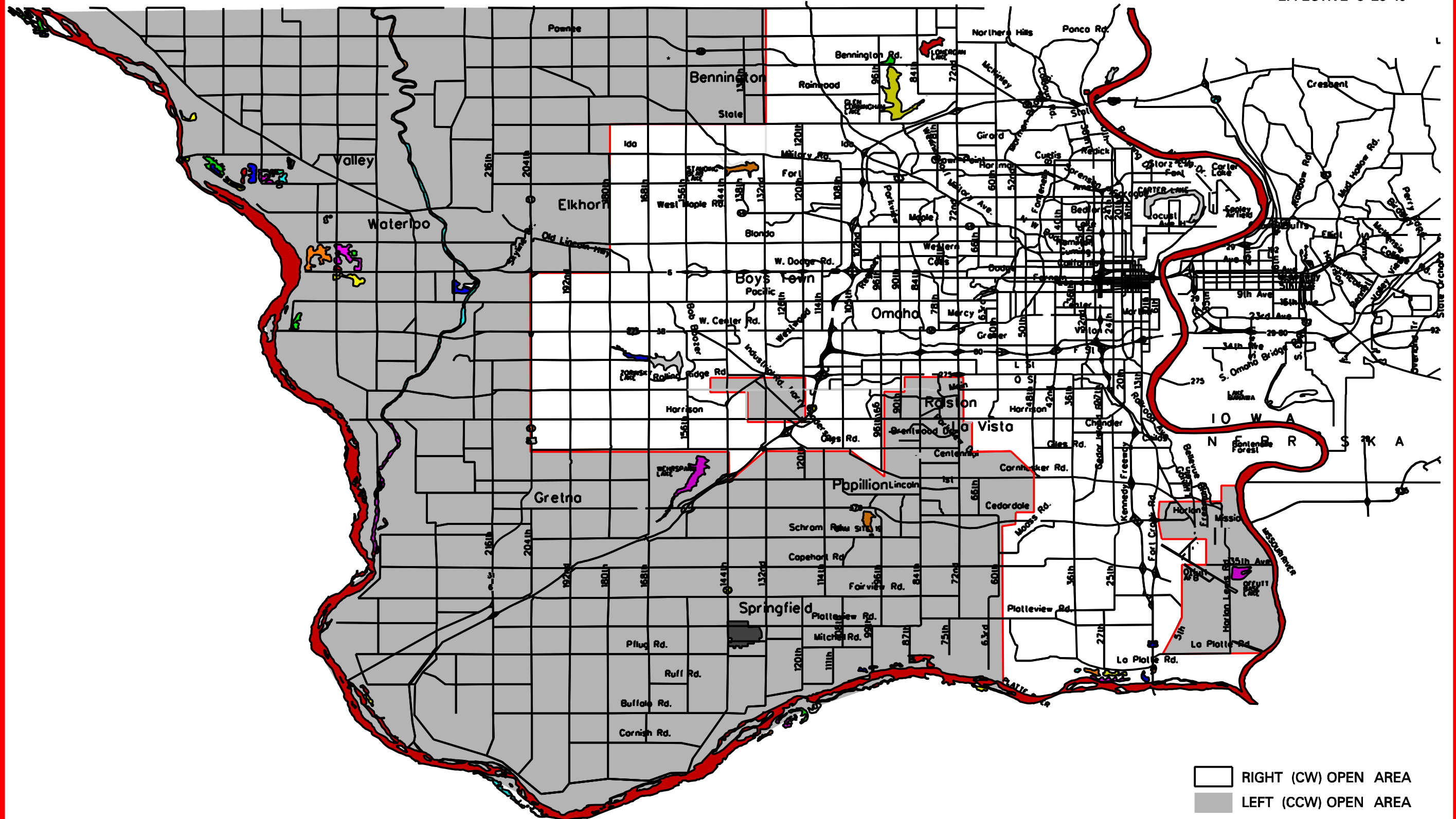
<b>METROPOLITAN UTILITIES DISTRICT</b>	<b>Construction Standard</b>	No: <b>2.0.1</b>
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\* Revised Text

### **B. Water Plants, Pumping Stations, Well Houses**

- (1) All underground valves with two inch square operating nuts shall open as specified in paragraph A above for new construction.
- (2) All handwheel operated water valves on lines inside water plants, repump stations, well houses, etc. and which are exposed shall open to the LEFT (counterclockwise) for new construction. Existing valves which do not conform to this opening direction shall be clearly identified.
- (3) Cylinder or motor operated valves shall have an indicator to show valve position and/or shall be permanently marked.

FILE NO. 2.0.1  
CONSTRUCTION STANDARD FOR  
DIRECTION OF WATER VALVE OPERATION  
EFFECTIVE 3-26-10



RIGHT (CW) OPEN AREA  
LEFT (CCW) OPEN AREA